"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

RECHETNIKOV, N.A.; BARANAYEVA, Ye.V.

Phase diagram of the system of cesium hydroxide and cesium nitrate. Zhur. neorg. khim. 10 no.1:183-188 Ja '65.
(MIRA 18:11)

1. Irkutskiy meditsinskiy institut. Submitted July 24, 1963.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, ANDRZEJ

POLAND/Chemical Technology, Chemical Products and Their Application, Part 2. - Fertilizers. H-9

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 33112.

Author : Tadeusz Stobiecki, Andrzej Barański, Zygmunt Kowalski.
Inst : Not given
Title : Study of Manufacturing Ammonium Carbonate for Using It as Fertilizer.

Orig Pub: Chem. stosow., 1957, 1, No 1, 81-88.

Abstract: The pressure at the dissociation process of NH_4HCO_3 at 25 to 58° was determined. The dependence of the pressure on the temperature is expressed by the equation $\log P_{mm} = 12.6102 - 3230/T$. The dissociation of industrial NH_4HCO_3 was also studied. A considerable influence of moisture on dissociation was established at the storage of NH_4HCO_3 under various conditions. Bibliography with 8 titles.

Card : 1/1 University of Krakow.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI A

POLAND/Inorganic Chemistry - Complex Compounds. C.

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 31974

Author : A. Baranski, B. Baranowski, M. Sarnowski
Inst :
Title : On the Formation of Complex Compounds of Calc: Chloride with Urea in Aqueous Solutions.

Orig Pub : Przem. chem., 1957, 13, No 9, 505-506

Abstract : The presence of complex compounds in the system H_2O - $CaCl_2$ - $CO(NH_2)_2$ was established by studying it by the viscosimetric method. A lesser capacity of producing the $CO(NH_2)_2 \cdot 2CaCl_2$, $CO(NH_2)_2 \cdot CaCl_2$, $3CO(NH_2)_2 \cdot 2CaCl_2$, $2CO(NH_2)_2 \cdot CaCl_2$, $5CO(NH_2)_2 \cdot 2CaCl_2$, $3CO(NH_2)_2$ and $4CO(NH_2)_2 \cdot CaCl_2$ complexes is observed at higher temperatures.

Inst. Syntezy Chem., Tarnow, Poland.

Card 1/1

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, ANDRZEI

POLAND / Physical Chemistry. Solutions. Acid and Base Theory. B

Abs Jour: Ref Zhur-Khimiya, No 17, 1958, 56845.

Author : Baranowski Bogdan, Baranski A., Fulinski Andrzej.
Inst : Not given.
Title : Heat Transfer of Hydrochloric Acid, Sodium Chloride and Potassium Chloride in Aqua Solutions.

Orig Pub: Roczn. chem., 1957, 31, No 1, 229 - 240.

Abstract: The Soret coefficient (SC) in aqua solutions of HCl, KSl and NaCl in a concentration range of 1 - 0.05 n., correct to ≤ 10 percent, was determined by the electric thermo-diffusion method. The SC versus initial solution concentrations are presented on graphs. The SC values are practically constant at concentrations of 1 - 0.3 n.,

Card 1/2 26

Elmir Krakow

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

COUNTRY : Poland
CATEGORY : H-9

ABS. JOUR. : RZKhim., No. 1959, No. 67158

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT :

CARD: 1/3

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

COUNTRY : Poland
CATEGORY : B-3

ABS. JOUR. : RZKhim., No. 1959, No. 72151

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : In the title, et al. [illegible] ... [illegible] ... [illegible] ...

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

STOBIECKI, Tadeusz; KOWALSKI, Zygmunt; BARANSKI, Andrzej

Studies on the obtaining of ammonium bicarbonate as fertilizer. III. Attempts of stabilization of NH_4HCO_3. Chemia stosow 3 no.1: 85-88 '59.

1. Instytut Syntezy Chemicznej, Oddzial w Chorzowie i Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Andrzej; KOWALSKI, Zygmunt; STOBIECKI, Tadeusz

Studies on the obtaining of ammonium acid carbonate as a fertilizer. I. Stabilization and decomposition kinetics of stabilized NH_4HCO_3. Chemia stosow 5 no.2:237-249 '61.

1. Instytut Nawozow Sztucznych, Tarnow, Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow i Zaklady Azotowe im. P. Findera, Chorzow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, A.

The dissociation pressure of mixtures of ammonium bicarbonate and ammonium carbaminate. Chemia stosow 5 no.3:443-445 '61.

1. Instytut Nawozow Sztucznych w Tarnowie i Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Andrzej; KOWALSKI, Zygmunt; STOBIECKI, Tadeusz

Studies on the preparation of ammonium acid carbonate as fertilizer. IV. Stabilization and decomposition kinetics of stabilized NH_4HCO_3. Chemia stosow 5 no.2:237-249 '61.

1. Intytut Nawozow Sztucznychw Tarnowo, Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow i Zaklady Azotowe im. P.Findera, Chorzow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BIASIAK, Eugeniusz; BARANSKI, Andrzej; MATUSZEWSKI, Zygfryd

Studies on the formation and decomposition kinetics of carbamide. Pt.1. Chemia stosow 7 no.3:373-391 '63.

1. Instytut Nawozow Sztucznych, Tarnow, i Zaklady Azotowe im. P. Findera, Chorzow.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKA, Halina

Experiment in systematizing the influence of the background on the determination of components of liquid samples by methods utilizing molecular spectra. Chem anal 8 no.6:817-821 '63.

1. Department of Technical Physics, Institute of General Chemistry, Warsaw.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKA, Halina

Research on the molecular interaction in binary systems: benzene-methanol and benzene-cyclohexane based on their Raman spectra. Rocz chemii 36 no.12:1879-1887 '63.

1. Department of Technical Physics, Institute of General Chemistry, Warsaw.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

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BARANSKI, Andrzej

Decomposition rate of ammonium carbamate Chemia stosow 7 no. 2:231-236 '63.

1. Instytut Nawozow Sztucznych, Tarnow, i Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BLASIAK, Eugeniusz; BARANSKI, Andrzej

Equilibrium pressure of the system $NH_4CO_2NH_2$ - H_2O under high temperatures. Chemia stosow 7 no.4:545-550 '63.

1. Katedra Technologii Wielkiego Przemyslu Nieorganicznego, Politechnika Slaska, Gliwice i Instytut Nawozow Sztucznych, Tarnow, oraz Katedra Chemii Nieorganicznej, Uniwersytet Jagiellonski, Krakow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

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BARANSKI, Andrzej

Studies on the kinetics of synthesis and disintegration of urea. Pt. 2. Chemia stosow 7 no.4:567-584 '63.

1. Instytut Nawozow Sztucznych, Tarnow i Katedra Chemii Nieorganicznej, Uniwersytet Jagiellonski, Krakow.

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BARANSKI, Andrzej

Studies on the kinetics of the synthesis and decomposition of urea. Pt. 3. Chemia stosow A 8 no.3:281-294 '64.

1. Department of Inorganic Chemistry of the Jagiellonian University, Krakow, and Institute of Fertilizers, Tarnow.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Andrzej

Studies on the biuret formation from urea in closed systems.
Chemia stosow 8 no.4:405-417 '64.

1. Department of Inorganic Chemistry of the Jagiellonian University, Krakow, and Institute of Fertilizers, Tarnow.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

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BARANSKI, A.

Dissociation elasticity of the mixtrue ammonium carbonat and ammonium carbaminian. Chemia stosow 5 no.3:443-445 '61.

1. Instytut Nawozow Sztucznych, Tarnow i Katedra Chemii Teoretycznej, Uniwersytet Jagiellonski, Krakow.

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BARANSKI, B. ; CHACHULSKI, W.

Why are we for branch transportation in the building industry?
p. 90. MOTORYZACJA, Warszawa. Vol. 11, no. 4, Apr. 1956.

SOURCE: East European Acession (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, E.

BARANSKI, E. Leon Staniewicz; an obituary p.3

Vol. 4, 1955
ROCZNIKI GLEBOZNAWCZE
AGRICULTURE
Warszawa, Poland

So: East Europeon Accession, No. 5 Vol. 5, May 1956

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, F. (Krakow)

On absolute divergence of a certain class of simple and double trigonometric series. Rocz prace matem 6:21-30 '61.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

PARANSKI, F. (Krakow)

On a certain problem by F. Leja concerning the summability of matrices in a given direction. Roczn prace matem 6:85-89 '61.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, F. (Krakow)

On sufficient conditions for the development of the kernel in the expansion of bilinear series. Rocz prace matem 6:91-107 '61.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, F. (Krakow)

On a certain n-dimensional boundary value problem with simple eigenvalues. Rocz prace matem 6:109-111 '61.

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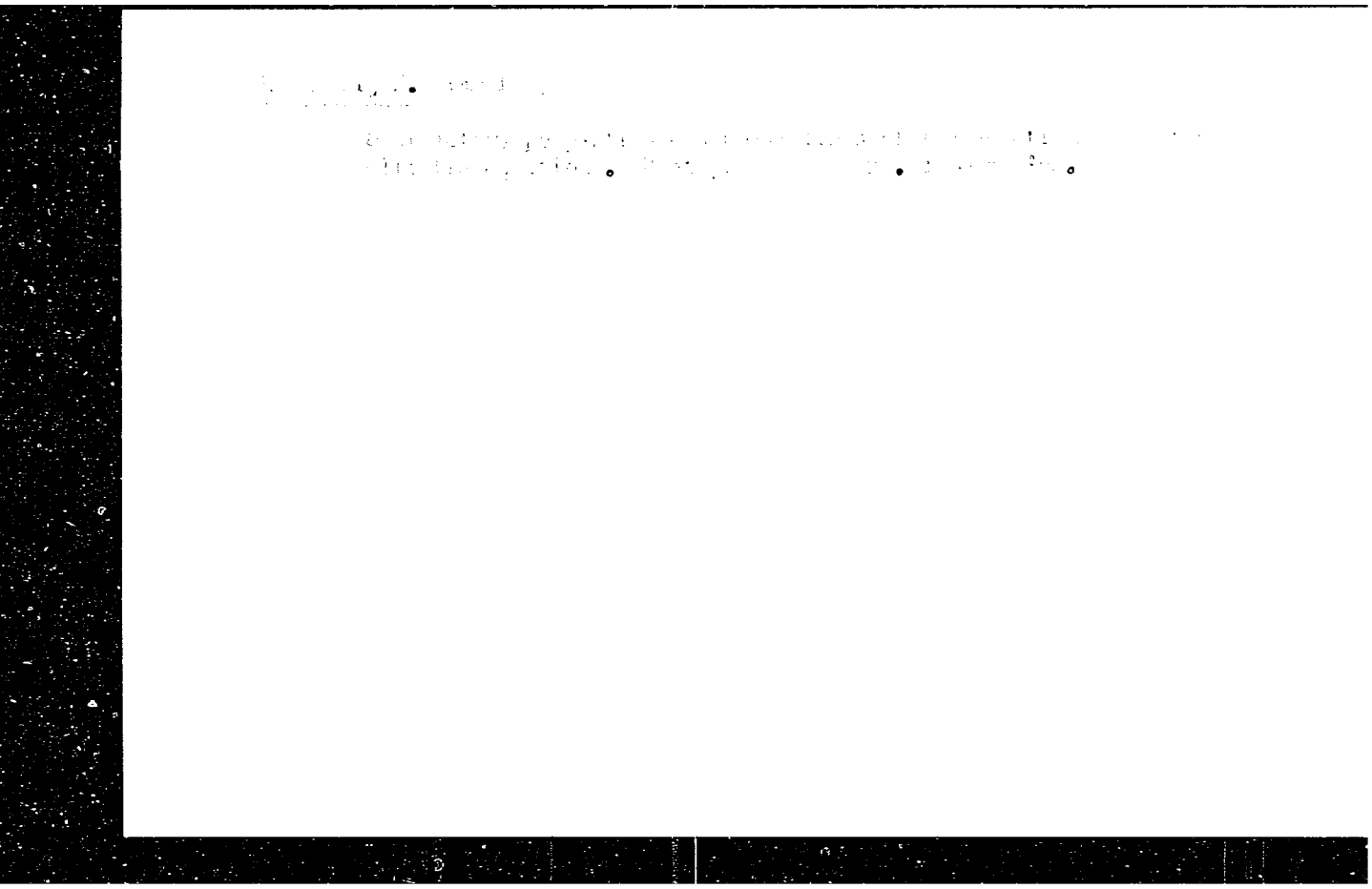
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6



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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, F. (Krakow)

Solution of the Riquier problem for the biharmonic equation in a semiplane and semispace. Prace matem Krakow 8 no.2: 239-291 '64.

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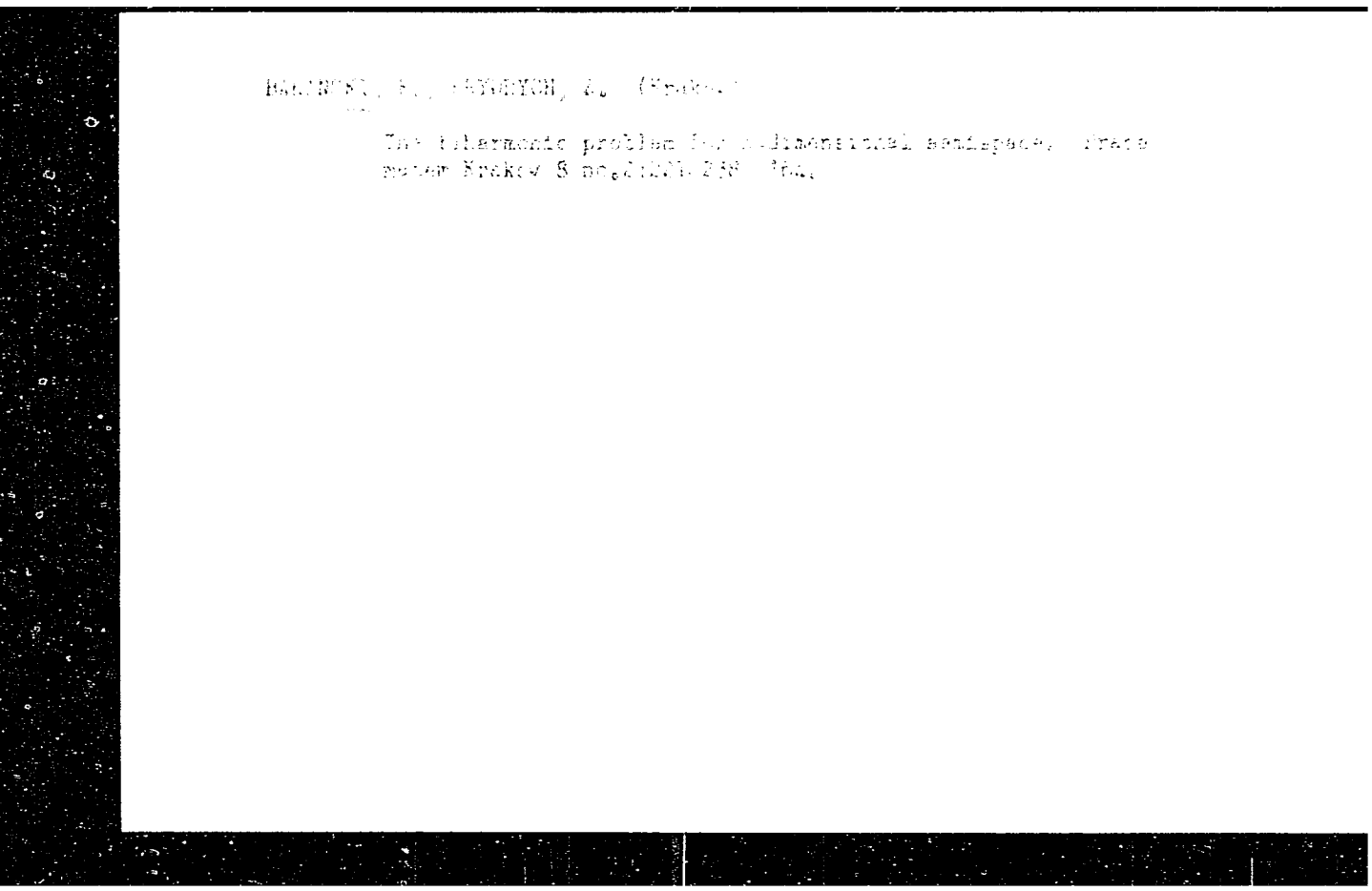
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6



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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, K.

3922. TECHNOLOGICAL PROBLEMS OF TREATMENT OF BITUMINOUS SHALE. Baranski, K. (Przegl. Gorniczy (Min. Reg.), Mar. 1951, vol. 7, 110-119).

Processes used in different countries are discussed. (L)

Immediate source clipping

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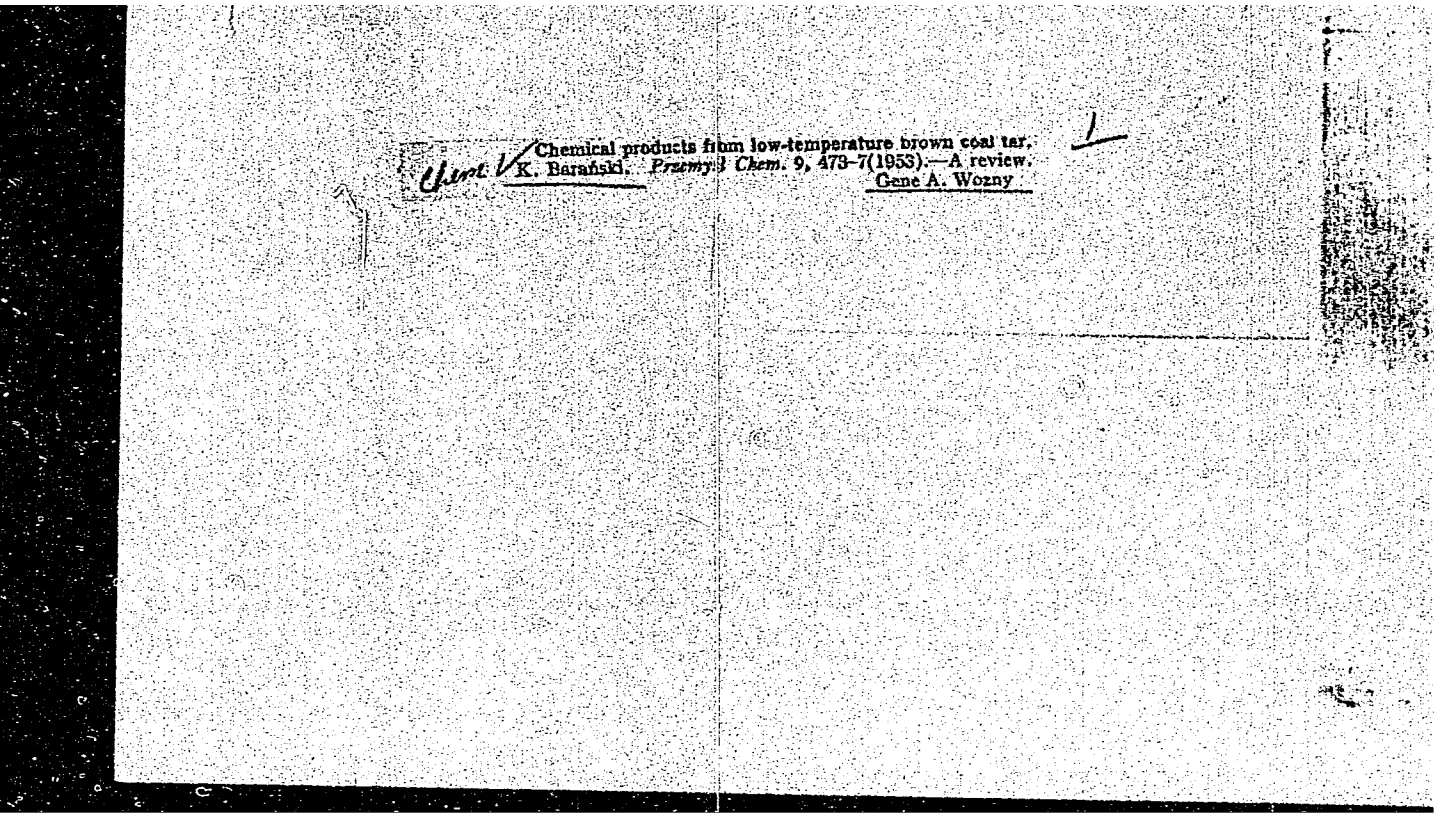

Chem. V Chemical products from low-temperature brown coal tar. K. Barański. *Przemysł Chem.* 9, 473–7(1953).—A review. Gene A. Wozny

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

Poland/Chemical Technology. Chemical Products and Their Application -- Industrial organic synthesis, I-14

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5661

Author: Baranski, K.

Institution: None

Title: Some Problems of Economics and Raw Materials in the Production of Gaseous Olefins for Organic Syntheses

Original Publication: Przem. chem., 1955, 11, No 7, 343-346

Abstract: A worldwide survey of the prices of gaseous alkanes and alkenes, and an analysis of methods for the production of C_2-C_4 olefins, from an economic standpoint. Suggestions are made concerning trends in research on determination of the most economic methods for the production of gaseous olefins from local raw materials.

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[illegible]	:Poland	M-2
[illegible]	:	
[illegible]	: R.Chem., No. 11 1[illegible], Vol.	76130
[illegible]	:Jarzynski, K.	
[illegible]	:Not given	
[illegible]	:Technical and Economic Data on a New Petroleum Refinery	
[illegible]	:Nafta (Poland), 14, No. [illegible], 46-49 (1[illegible])	
[illegible]	:The author discusses the future development of petroleum refineries in Poland with special emphasis on the construction of the large plant at Konin, which incorporates a number of features new to Poland. Up to 90% of the production of the refinery will consist of fuel distillates; in addition the refinery will produce jet fuels, motor oils (by selective extraction), paraffins, and bitumen.	

W. Andres

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

RYKOWSKI, Henryk; PERCZYNSKI, A.: BARANSKI, Mieczyslaw.

Streptokinase and streptodornase in surgical infections. Polski tygod. lek. 10 no.21:680-681 23 My '55.

1. Z Oddzialu Chirurgicznego Szpitala, ul. Zelazna 90.) Warszawa: ul. Nowolipki 15 m. 33, blok 46.
(SURGERY,OPERATIVE, complications infect.,ther.streptodornase & streptokinase)
(STREPTODORNASE AND STREPTOKINASE, ther. use infect., surg.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

RYKOWSKI, Henryk; PERCZYNSKI, Antoni; BARANSKI, M.

Treatment of purulent mastitis. Polski przegl. chir. 27 no.11: 1069-1072 Nov 55.

1. Z Oddzialu Chirurgicznego Szpitala ul. Zelazna 30, Warszawa i Ambulatorium Chirurgicznego Oddzialu Zdrowia, Srodmiescie Warszawa Warszawa, Nowolipki 15 m. 33, blok 46.

(MASTITIS
puerperal, ther. in purulent cases)
(PUERPERIUM, compl.
mastitis, purulent, ther.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

WISNIEWSKI, Edmund; PLEWINSKI, Gustaw; BARANSKI, Mieczyslaw

Solitary non-parasitic cysts of the liver. Polski tygod. lek. 14 no.19:859-862 11 May 59.

1. Z Oddzialu Chirurgii Ogolnej Centralnego Szpitala Klinicznego MSW w Warszawie; ordynator: dr med. E. Wisniewski. Adres: Warszawa 10, Poznanska 23 m. 16.

(LIVER, cysts
solitary non-parasitic (Pol))

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

L 45420-66 EWP(t)/ETI IJP(c) JD

ACC NR: AP6026375 (A) SOURCE CODE: GE/0030/66/015/001/0057/0061 (UR) 46 43 B

AUTHOR: Baranskii, P. I.; Dakhovskii, I. V.

ORG: Institute of Semiconductors, Academy of Sciences of the Ukrainian SSR, Kiev; State University of Chernovtsy, Ukrainian SSR, Chernovtsy

TITLE: Longitudinal Hall effect in n-type germanium

SOURCE: Physica status solidi, v. 15, no. 1, 1966, 57-61

TOPIC TAGS: Hall effect, anisotropic scattering, germanium

ABSTRACT: On the basis of the anisotropic scattering theory developed by Samoylovich et al. (A. G. Samovlovich, I. Ya. Korenblit, I. V. Dakhovskiy, and V. D. Iskra, Fiz. tverd. Tela 3, 2939 and 3285 (1961)) a general expression is derived for the longitudinal Hall effect in which the carrier relaxation time is represented by a tensor. A possible method of measuring the longitudinal Hall effect in absolute (rather than relative) units is proposed. This allows experimental investigation (at room temperature) of the effect for n-type Ge with $\rho \approx 10^5$ ohm. cm. A special case is considered in which the current in the sample is in the [100]

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direction and the magnetic field vector H is arbitrarily oriented in the plane perpendicular to the current flow. Good agreement is obtained between theory and experiment. Some suggestions are made as to possible applications of this effect. The authors thank Prof. A. G. Samoylovich for valuable advice and comments on the theoretical part of this work. They also thank Prof. E. G. Miselyuk for his interest and discussion of the work and W. W. Gayduchenko for his assistance in the experiments. Orig. art. has: 5 figures and 4 formulas. [Authors' abstract]
[KS]

SUB CODE: 20/ SUBM DATE: 10Feb66/ ORIG REF: 002/ OTH REF: 001/

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, R.

BARANSKI R.

W sprawie terminologii ciezkich stanow biegunkowych u malego dziecka. /Terminology of acute diarrhoea in infants/ Pediat. polska 24:7 July 50 p. 598-601.

1. NAI
CLML Vol. 20 No. 2 Feb 1951

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, R.

"Some problems of the technique of standardization." (p.24) Polski Komitet Normalizacyjny. WIADOMOSCI. Warszawa. Vol. 22, no. 1, Jan. 1954

SO: EAST European Accessions List Vol 4, No 8, Aug. 1954

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Rajmund (adres: Warszawa, Litewska 16)

Certain notes on artificial infant nutrition. Pediat pol 29 no. 1:97-104 Ja '54. (EEAL 3:8)

1. (Otrzymano: 10.X.1953)
(INFANT, NUTRITION, *artif.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Rajmund

Pathogenesis of athrepsia. Pediat. polska 29 no.7 Suppl.:8-12 9 Sept. 54.
(INFANT NUTRITION DISORDERS, athrepsia)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

B/ RANSKI, Rajmund (Warszawa, Sniadeckich 18)

Pathogenesis of athrepsia. Pediat.polska 30 no.6:577-588 Je '55.
(INFANT NUTRITION DISORDERS,
athrepsia, pathogen.)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, R.; LEWENFISZ-WOJNAROWSKA, T.; BALUKIEWICZ, I.; PYTEL, A.; SIENIAWSKA, M.

Laboratory and clinical tests in early circulatory insufficiency in children in rheumatic defects of the heart. Pediat. polska 31 no.3:279-290 Mar 56.

1. Z I Kliniki Chorob Dzieciecych A.M. w Warszawie Kierownik: prof. dr. med. R. Baranski, i z II Kliniki Chorob Dzieciecych A.M. w Warszawie kierownik: prof. dr. med. M. Michalowicz Zastepca Kierownika: prof. dr. med. T. Lewenfisz-Wojnarowska Warszawa, ul. Litewska 16.
(RHEUMATIC HEART DISEASE, diagnosis,
laboratory & clin. tests for detection of circ. changes (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Raimund; STECKIEWICZ-Krzesin, Irena

Studies on the pathogenesis of nocturnal enuresis. Pediat. Polska 32 no.7:759-766 July 57

1. Z I. Kliniki Dziecięcej A. M. w Warszawie Kierownik: prof. dr med. R. Banrnski. Adres: Warszawa, ul Litewska 16.
(ENURESIS, in inf. & child
nocturnal, pathogen. (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARAN'SKIY, R., prof.

In the new Poland. Zdorov'e 5 no.7:7-8 Jl '59.
(MIRA 12:11)

1. Ministr zdravookhraneniya Pol'skiy Narodnoy Respubliki.
(POLAND--PUBLIC HEALTH)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

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HUNGARY

KRZESKA, I. Dr.; Medical University of Warsaw, First Pediatric Clinic (Varsoi Orvostudomanyi Egyetem, I. Gyermekklinika)*Prof: BARANSKI, R. Dr.

"Indications for Urography in Children."

Budapest, Orvosi Hetilap, Vol 103, No 46, 18 Nov 62, pages 2187-2190.

Abstract: [Author's summary modified] The author stresses that urography could be carried out carefully if indicated even after the skin test with the contrast material is positive. An individual evaluation must be made in every case of sensitivity. Urography should be available to ambulatory patients as well. It is indicated in the presence of chronic abdominal pain of unknown origin in children. Close cooperation with the urologist enables timely surgical correction of abnormalities.

[This paper is published, as part of an exchange program, from the Polski Tygodnik Lekarski.]

[2 Western, 2 Polish references]

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, R., doc.

"Contactors and contactor control systems" by Franken, H. Reviewed by R. Baranski. Przegl elektrotechn 38 no.4:172 Ap '62.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, R., doc.mgr inz.; WALCZUK, E., mgr inz.

Switching capacity of contactors and the requirements for switch breakers. Przegl elektrotechn 39 no.6:218-224 Je '63.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKIY, N.N.; VITVER, I.A.; ORLOV, B.P.; SALISHCHEV, K.A.

Professor O.A. Konstantinov's 60th birthday. Vest. Mosk. un. Ser. 5:Geog. 18 no.5:81-82 S-O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKIY, N.N.

"Geography as a school subject" by P.G. Kochergin. Published in the Uchenye zapiski of the Kursk Pedagogical Institute," 1963. Vol. 16. Reviewed by N.N. Baranskii. Vest. Mosk. un. Ser. 5:Geog. 18 no.5:88 S-O '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

DZIERZBICKI, S.; BARANSKI, R.; BOLANOWSKI, B.; GORSKI, H.

Testing station for the switching load capacity of a.c. contactors. Przegl elektrotechn 39 no.6:214-217 Je '63.

1. Katedra Aparatow Elektrycznych, Politechnika, Lodz.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, S.

Swinia Gory Reservation.

p. 13 (Chronomy Przyrode Ojczysta. Vol. 13, no. 5, Sept./Oct. 1957. Krakow, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI,S.

Pruning as a means of cultivating a pinewoods. p.18

LAS POLSKI. (Ministerstwo Lesnictwa oraz Stowarzyszenie Naukowo-Techniczne Inzynierow i Techników Lesnictwa i Drzewnictwa) Warszawa, POland
Vol. 29, no.5 May 1959

Monthly list of East European Accessions (EEAI) LC, Vol.9, no.2, Feb. 1960

Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Stanislaw (Warszawa, Zaklad Histologii i Embriologii Akad. Med., ul. Chalubinskiego 5)

Age factor in histo-physiological changes of conduction of the heart in pigeon. Fol. morph. 5 no.1:53-70 1954.

1. Z Zakladu Histologii i Embriologii Akademii Medycznej w Warszawie. Kierownik: prof. dr J.Zweibaum.
(HEART, physiology,
*conduction, age factor in histophysiol. changes in pigeon)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARAŃSKI, Stanislaw, BARKOWA, Olga; SZAMBORSKI, Józef.

Reactions of the reticuloendothelial system in adaptation to altitude. Acta physiol. polon 6 no.4:401-409 1955.

1. Z Centralnego Instytutu Badań k Lotniczo-Lekarskich.
(ALTITUDE,
adaptation, RE system in (Pol))
(RETICULOENDOTHELIAL SYSTEM, physiology,
adaptation to altitude (Pol))
(ADAPTATION,
to altitude, RE system in (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

Baranskij S...

5129. **Relation between growth of fibroblasts *in vitro* and the volume of air in the culture-chamber.** S. Baranski. *Folia morph., Warszawa*, 1956, 7, 25—33 (Zaklad Histologii i Embriologii A. M. w Warszawie, Poland).—Cells were cultured in specially constructed plexiglass chambers of sizes varying from 0·15 to 2·00 c.c

Best results were obtained with a chamber measuring 1 c.c. In very small chambers the area of tissue growth was always much smaller, and fatty changes developed much earlier. In large chambers the culture was again smaller, a fact attributed to dehydration of the specimen. (Polish, English summary) B. Towers.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

POLAND / Human and Animal Morphology, Normal and Pathological. S-3
Blood and the Hematopoietic System.

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83680

Author : Baranski, S.; Barkowa, O.
Inst : Not given
Title : Morphological Composition of Peripheral Blood and Marrow in White Rats.

Orig Pub : Folia morphol., 1956, 7, No 2, 109-124.

Abstract : Studies were made to determine the number of erythrocytes, leukocytes, reticulocytes, Hb content, hematocrit indices, and the leukocytic formula in peripheral blood of 100 rats. There is a description of cell morphology and citation of numerical data. A study was made of the marrow in 50 rats. On the basis of morphological and histochemical data, the specific characteristics of leukokoiesis were revealed. A myelogram was computed. -- N. V. Shornikova.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Stanislaw

Histogenesis and morphology of the connective tissue. Polskie arch. med. wewn. 27 no.3:365-384 1957.

1. Z Zakladu Histolofii i Embriologii A.M. w Warszawie Kierownik: prof. dr. med. J. Zweibaum.
(CONNECTIVE TISSUE, anatomy and histology, histogenesis & morphol., review (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

OSTROWSKI, K.; BARANSKI, S.; KAWIAK, J.

Studies on a correct selection of histological technics for autoradiography. Rozpr. wyds. nauk med. no.3:103-114 1958.

1. Z Zakładu Patomorfologii Polskiej Akademii Nauk Kierownik: prof. dr. med. L. Paszkiewicz oraz z Zakładu Histologii Akadpemii Medycznej Kierownik: prof. dr Juliusz Zweibaum (Przedstavil; prof. dr nauk med. Ludwik Paszkiewicz).

(RADIOAUTOGRAPHY,
histol. method (Pol))

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

KAWIAK, J.;BARANSKI, S.

Incorporation of ^{35}S-sulfate into cartilage mucopolysaccharides in vitro as related to pH of the medium. Bul Ac Pol biol 7 no.6: 231-235 '59 (KEAI 9:6)

1. Laboratory of Experimental Pathology, Polish Academy of Sciences, Laboratory of Histology, School of Medicine, Warsaw, presented by L. Paszkiewicz.

(Sulfates) (Polysaccharides) (Sulfur)
(Hydrogen-ion concentration) (Cartilage)
(Radioisotopes)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

P/044/60/008/004/009/012

AUTHORS: Haduch. S., Colonel, Doctor of Medicine; Barański S., Major, Doctor of Medicine

TITLE: Review of Achievements in Cosmic Medicine

PERIODICAL: Wojskowy Przegląd Lotniczy, 1960, Vol. 8, No. 4, pp. 70 - 76

TEXT: A brief review of the second Worldwide Aviation and Cosmic Medical Congress held late in 1959 at Rome is given. Soviet, Czechoslovakian, Hungarian and Polish delegations participated. The Polish delegation consisted of Colonel Doctor of Medicine Zygmunt Bielicki, Colonel Physician Stanisław Haduch, Lieutenant Colonel Physician Mirosław Ornowski, Major Physician Stanisław Barański and representatives of the Polish Aero Club Doctor Jercy Bibrych and Doctor Wacław Kornaszewski. Following papers were read by Soviet bloc representatives: "Changes in the Electrocardiogram caused by Oxygen Insufficiency" by Lieutenant Colonel Physician Ornowski, "Oxygen Insufficiency in the Central Nervous System" by Major Physician Barański and "Biological Research on Animals During Rocket Flights" by the Soviet representatives Professor Kuznetsov and Doctor of Sciences Gazenko. US-made space suits, heat resistant suits and the test cabin in the Gravity Laboratory of

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the Italian Medical Aviation Institute are described and shown on photographs. There are 3 photographs.

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

HADUCH, S.; BARANSKI, S.; CZERSKI, P.

Effect of microwave radiations on the human organism. Acta physiol. polon. 11 no.5/6:717-719 '60.

1. Z Wojskowego Instytutu Medycyny Lotniczej.
(MICROWAVES)

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, S.

Effect of high-altitude hypoxia on ^{32}P-phosphate metabolism and incorporation into the central nervous system of white mice. Bul Ac Pol biol 10 no.7:275-282 '62.

1. Department of Histology and Embryology, School of Medicine, Warsaw, and Military Institute of Aviation Medicine, Warsaw. Presented by L.Paszkiewicz.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, Stanislaw; KAWIAK, Jerzy.

Autoradiographic investigations on S35 sulphate incorporation in vitro into joint cartilage. Folia morphol 21 no.1:69-74 '62

1. Institute of Histology and Embryology of the Medical Academy in Warsaw, head: assistant prof. K. Ostrowski.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

POLAND

BARANSKI, S., Department of Histology (Zaklad Histologii) of the AM [Akademia Medyczna, Medical Academy] and the Military Institute of Aviation Medicine (Wojskowy Instytut Medycyny Lotniczej), both in Warsaw

"Incorporation of ^{35}S-methionine into the Central Nervous System of White Mice during Altitude Hypoxia."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 11, No 5, 63, pp 255-259.

Abstract: [English article, author's English summary] 1. At an air pressure corresponding to an altitude of 3,000 meters, ^{35}S-methionine metabolism in the brain tissue of hypoxic animals is depressed, as manifested by diminished incorporation of the isotope. 2. Investigation of the chemical fractions reveals decreased incorporation and metabolism of the ^{35}S in the protein and sulpholipid fractions, but greater radioactivity in the aqueous fraction (related to oedema). 3. Radioactivity of homogenized tissues and autoradiography also reveal diminished incorporation of the isotope in hypoxic animals. Of the 9 references, 2 are Polish, one German, and the others Western.

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L 00853-67 EWT(1) DD
ACC NR: AP6032607 (A,N) SOURCE CODE: PO/0069/66/000/009/0781/0786

AUTHOR: Edelwejn, A. (Lieutenant colonel; Doctor of medicine); Baranski, S. (Lieutenant colonel; Doctor of medicine) 53 B

ORG: Military Institute of Aeromedicine/headed by Docent Wladyslaw Barcikowski, Doctor of medicine/, Warsaw (Wojskowy Instytut Medycyny Lotniczej)

TITLE: Effects of irradiation on the nervous system of personnel exposed to microwave-range fields

SOURCE: Lekarz wojskowy, no. 9, 1966, 781-786

TOPIC TAGS: microwave, radiation effect, central nervous system, industrial medicine

ABSTRACT: This study on the effects of microwave irradiation involved several thousand people working in military and civilian establishments. Three groups were considered: 1) Group "E" was exposed to low power densities (of the order of 10 $\mu w/cm^2$) during a workday, in open or closed spaces, and within the range of the entire microwave band during pulse modulation. 2) Group "ES" was exposed to conditions similar to those for group "E," but with power densities of several tens of $\mu w/cm^2$ (10—100), irradiation from many directions, and more chances of exposure to microwave reflection and superimposition. Persons working in the open during periods averaging one month, exposed to low powers, or persons often exposed to the wave propagation line (surveyors) were also included. 3) Subjects in group "R" were exposed to power densities

Card 1/2

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L 00853-67

ACC NR: AP6032607 O

of the order of several tens, and even several hundreds, of $\mu w/cm^2$, with almost continuous irradiation during a workday, and mostly in closed places. The following conclusions were drawn: The frequency of complaints of headache, dizziness, fatigue, and excessive perspiration among persons working within the microwave range depends on the length of employment and the degree of exposure to radiation. EEG changes, consisting of decreased Alpha rhythms and decreased Alpha-wave percentage, were observed only in persons exposed for prolonged periods of time to relatively high power densities. It was found that all persons tested, regardless of the degree of exposure and the length of employment, had a lower-than-average tolerance to intravenous administration of cardiazol. Tests were discontinued after treating 30 persons with it for fear of harmful aftereffects. The majority of subjects had symptoms of a quasi-neurotic syndrome closely approaching neurasthenia. The frequency distribution of symptoms was related to the length of employment, and may indicate that a strong reaction to radiation occurs during the first years of exposure (three years of work), followed by gradual adaptation. Thereafter, a recurrence of adverse effects takes place only after a longer interval. Orig. art. has: 8 figures and 2 tables.
[DR]

SUB CODE: 06/ SUBM DATE: 27Jan66/ ORIG REF: 006/ OTH REF: 004/ SOV REF: 004/
ATD PRESS: 5095

Card 2/2

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

(A,M) SOURCE CODE: PO/0069/66/000/010/0903/0909

AUTHOR: Zarnicki, Stanislaw (Lieutenant colonel; Doctor of medicine); Cherski, [illegible] (Major; Doctor of medicine)

ORG: Military Institute of Aeromedicine/headed by Docent Wl. Barcikowski, Doctor of Medicine/(Wojskowy Instytut Medycyny Lotniczej)

TITLE: Investigation of the behavior of corpuscular blood constituents in persons exposed to microwaves

SOURCE: Lekarz wojskowy, no. 10, 1966, 903-909

TOPIC TAGS: microwave radiation effect, hematology, blood chemistry, human physiology, bone marrow

ABSTRACT: The morphologic blood composition of a large number of people was studied. Persons examined were divided into the "Exploitation" (E) group, least exposed to microwave irradiation; the "Special Exploitation" (ES) group exposed to higher irradiation levels; and the "R" worker group, exposed to high irradiation levels involved with repairing or manufacturing microwave generator equipment. Hemoglobin, red and white blood cell count, and differential analysis were done routinely. Recticulocyte and platelet counts were done for selected groups, and bone marrow punctures were performed on 19 persons. Each of the three main groups was divided into four subgroups according to length of employment (from 1 to 10 years). The number of erythrocytes

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ACC NR: AP6035657

was lower than 3,500,00/mm^3 in sporadic cases and there were no figures exceeding normal levels. Reticulocytes were most numerous in the E group, and reticulocytosis was most frequent in the five-to-ten year employment group. White blood corpuscle counts were normal regardless of group. Sporadic cases of neutrophilic leukocytosis lasting more than five years were encountered, but even multiple testing did not disclose their causes. Cases of lymphocytopenia occurred rarely; their frequency was independent of group. The investigation led to the following conclusions, also reflected in statistical tabulations of granulocytosis, eosinophilia, monocytosis, lymphocytosis, and granulocytopenia occurrences: 1) A small drop in the amount of erythrocytes takes place in all people exposed to microwaves; occurrence is related to the length of employment and degree of exposure. 2) Various leukocyte shifts occur in the first year of employment. Later, normalization occurs and this symptom does not appear in groups having worked for one to five years. 3) A tendency toward lymphocytosis with accompanying eosinophilia is apparent in persons having worked more than five years under conditions of low and medium microwave exposure. 4) Three groups of leukocyte changes occur in persons exposed to substantial irradiation for more than five years. Most frequent are absolute and relative lymphocytosis accompanied by eosinophilia and monocytosis, or relative lymphocytosis. Next in order is absolute lymphocytosis with monocytosis. Neutrophilic leukocytosis comes last. 5) About 50% of persons exposed to microwaves show a moderate drop in platelet number. Research is necessary to establish the mechanisms of these changes and the prognostic meaning.

SUB CODE: 06/ SUBM DATE: 11Feb66/ ORIG REF: 008/ OTH REF: 002/ SOV REF: 002/ ATD PRESS: 5104

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, W.

State geodetic service in Czechoslovakia. p. 344. PRZEGLAD GEODEZYJNY. Warszawa. Vol. 11, no. 10, Oct. 1955.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

MARANSKI, W.

State geodetic and cartographic service, p. 41.

PRZEGLAD GEODEZYJNY. (Stowarzyszenie Naukowo-Techniczne Geodetow Polskich)
Warszawa, Vol. 15, no. 2, Feb. 1959.
POLAND

Monthly List of European Accessions (EEAI) LC, Vol. 8, no. 7, July 1959.

Uncl.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, W.

Warsaw, [illegible], No 5, May 1962.

12. "[illegible] Session of the Council on Water and Forestry," W. Baranski, pp. 225-227.

13. "On Satisfying the Daily Needs of Roadside Gardens in the Polish and Cities," Edard [illegible], p. 227.

14. "Conversion of Roadside Pole," E. [illegible], pp. 227-228.

15. "Sic e Sunday," [illegible] Andrzej Rusnak [illegible], p. 228.

16. "[illegible] Graduate of the Secondary [illegible] tion Technical School in Warsaw," [illegible], p. 229.

17. "Book Review: Catalog [illegible] of the Wildlands Forest and Wildlife [illegible] Under [illegible] Forestry: pp. 229-230.

18. "Second International Planning Management Course in Warsaw," Wojciech [illegible], pp. 231-232.

19. "[illegible] of the Scientific Council of the Institute of Geodesy and Cartography (Rada Naukowa Instytutu Geodezji i Kartografii); signed S.D.: p. 232.

20. "Review of Literature on Roadside Law," W. Baranski, [illegible] of Engineering: p. 233.

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APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, W., mgr., inz.

"Geodetski List" reviewed by W. Baranski. Przegl geod 34 no.3:130 Mr '62.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

S/035/62/000/011/036/079
A001/A101

AUTHOR: Barański, W.

TITLE: The 6th session of the geodetic and cartographic council

PERIODICAL: Referativnyy zhurnal, Astronomiya i Geodeziya, no. 11, 1962, 3, abstract 11G23 ("Przegl. geod.", 1962, v. 34, no. 5, 226 - 227, Polish)

TEXT: The question of adequacy of the country main map, 1:5,000 scale, compiled from aerial photosurvey data for the needs of national economy, was discussed on the session held on January 25, 1962. It is noted that the map meets the requirements of national economy, however, in some cases, as e.g. for needs of urban economy, maps of larger scales are wanted.

D. K.

[Abstracter's note: Complete translation]

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, W., mgr. inz.

A review of legal provisions on surveying. Przegl geod 34 no.4:3 of cover Ap '62.

APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6"

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI, W., mgr inz.

Survey of geodetic legislation. Przegl geod 35 no.2:3 of cover F '63.

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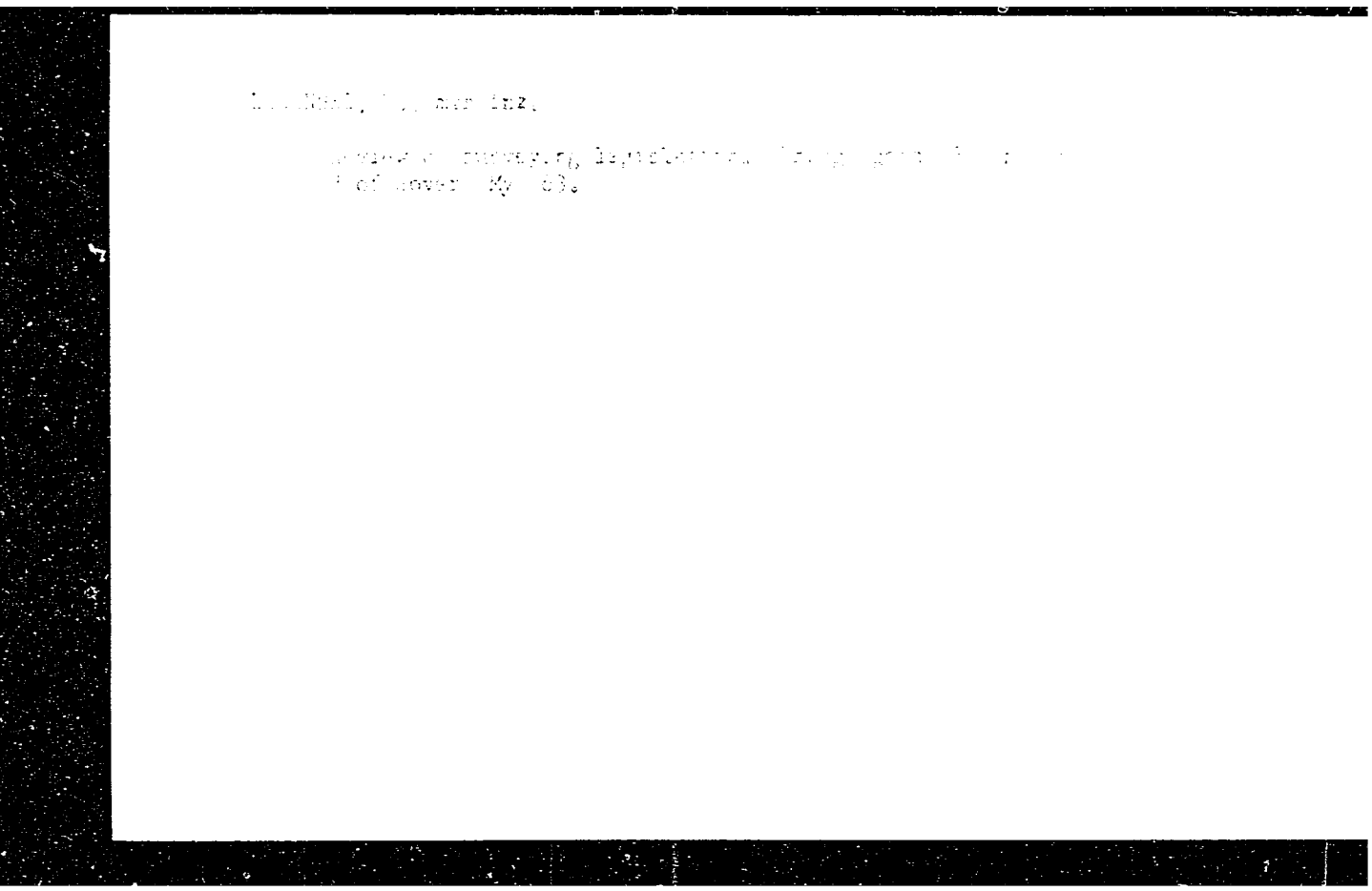
"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6



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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKA, Wanda

Succinic acid dehydrogenase in various developmental stages of the human placenta. Ginek. Pol. 36 no.5:509-516 My '65.

1. Z Zakladu Histologii i Embriologii AM w Warszawie (Kierownik: prof. dr. med. K. Ostrowski) i z Kliniki Poloznictwa i Chorob Kobiecych CSK w Warszawie (Kierownik: doc. dr. med. J. Higier).

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

L 02188-67

ACC NR: AT6031310 SOURCE CODE: PO/2539/66/000/002/0097/0101

42
B+1

AUTHOR: Baranski, Wlodzimierz (Master of Engineering; Senior Lecturer); Bromirski, Jerzy (Doctor of Engineering; Professor; Director); Kalinski, Jacek (Master of Engineering; Senior Lecturer); Komorowski, Witold (Master of Engineering; Senior Lecturer)

ORG: [Baranski, Bromirski, Kalinski, Komorowski] Department of Digital Computer Construction, Wroclaw Polytechnic Institute (Katedra Konstrukcji Maszyn Cyfrowych, Politechnika Wroclawska)

TITLE: Model of STS-3 training aid computer

SOURCE: Breslau. Politechnika. Zeszyty naukowe, no. 124, 1966, Automatyka, no. 2, 97-101

TOPIC TAGS: computer design, ditigal computer, teaching computer, microprogramming computer, relay computer

ABSTRACT: The STS-3 relay computer model, designed at the Department of Digital Computer Construction, is an experimental training aid for teaching digital

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ACC NR: AT6031310 O

computer operation and algorithm use. It was built from electric components (relays, selectors) as a microprogramming unit. Its operational speed is low to make observation of the information flow possible. The machine can be stopped and restarted any time during complex operations. Orig. art. has: 1 figure and 3 tables. [Based on authors' abstract]

SUB CODE: 05, 09/ SUBM DATE: none/

Card 2/2 egh

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L 20692-65 SSD/ASD(a)-5/AFWL/BSD/AFMD(p)/AFETR/AFTC(b)/RAEM(d)/ESD(dp)

ACCESSION NR: AT4047548 P/2539/64/000/001/0147/0153

AUTHOR: Baranski, W. M. (Master engineer, Assistant); Bromirski, J. (Docent, Doctor, Director); Kalinski, J. (Master engineer, Assistant) B+

TITLE: The STS-2 relay computer

SOURCE: Breslau. Politechnika. Zeszyty naukowe, no. 85, 1964. Automatyka, no. 1, 147-153

TOPIC TAGS: digital computer, relay computer, computer program, permanent program/ STS-2 computer

ABSTRACT: The paper describes the design of a relay digital computer, the purpose of which is to show, in the simplest possible manner, the principles of operation of a computer and the course the information takes in its individual units. To achieve this, the computer had to operate slowly so that electromechanical elements were used. The computer operates in the binary system and performs the four essential arithmetic operations, i.e., addition, subtraction, multiplication, and division, which are programmed permanently. The algorithms of the four arithmetic operations, as well as the fundamental units, i.e., clock, adder, control, stop-erase and signalling, are described. A schematic view of the frontal signalling panel, on which a logical diagram of the computer is shown, is

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ACCESSION NR: AT4047548

given. In contrast to conventional computers, the system does not permit automatic programming; it does, however, permit the carrying out of each program represented in the form of the four essential arithmetic operations with the intermediate results being available for recording. Orig. art. has: 4 figures and 9 formulas.

ASSOCIATION: Zaklad Urzadzen Telemechnicznych Politechniki Wroclawskiej (Department of Telemechanics and Automation of the Wroclaw Polytechnic Institute)

SUBMITTED: 00Mar63 ENCL: 00 SUB CODE: DP

NO REF SOV: 000 OTHER: 003

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKI-NOB, Imre [Baranskyi-Nob, Imre] (Budapesht)

Hungarian passenger cars made from aluminum alloys. I. Zhel. dor. transp. 45 no.1:89-92 Ja '63. (MIRA 16:4)

1. Glavnyy konstruktor vagonostroitel'nogo zavoda im. Vil'gel'ma Pika.

(Hungary—Railroads—Passenger cars)

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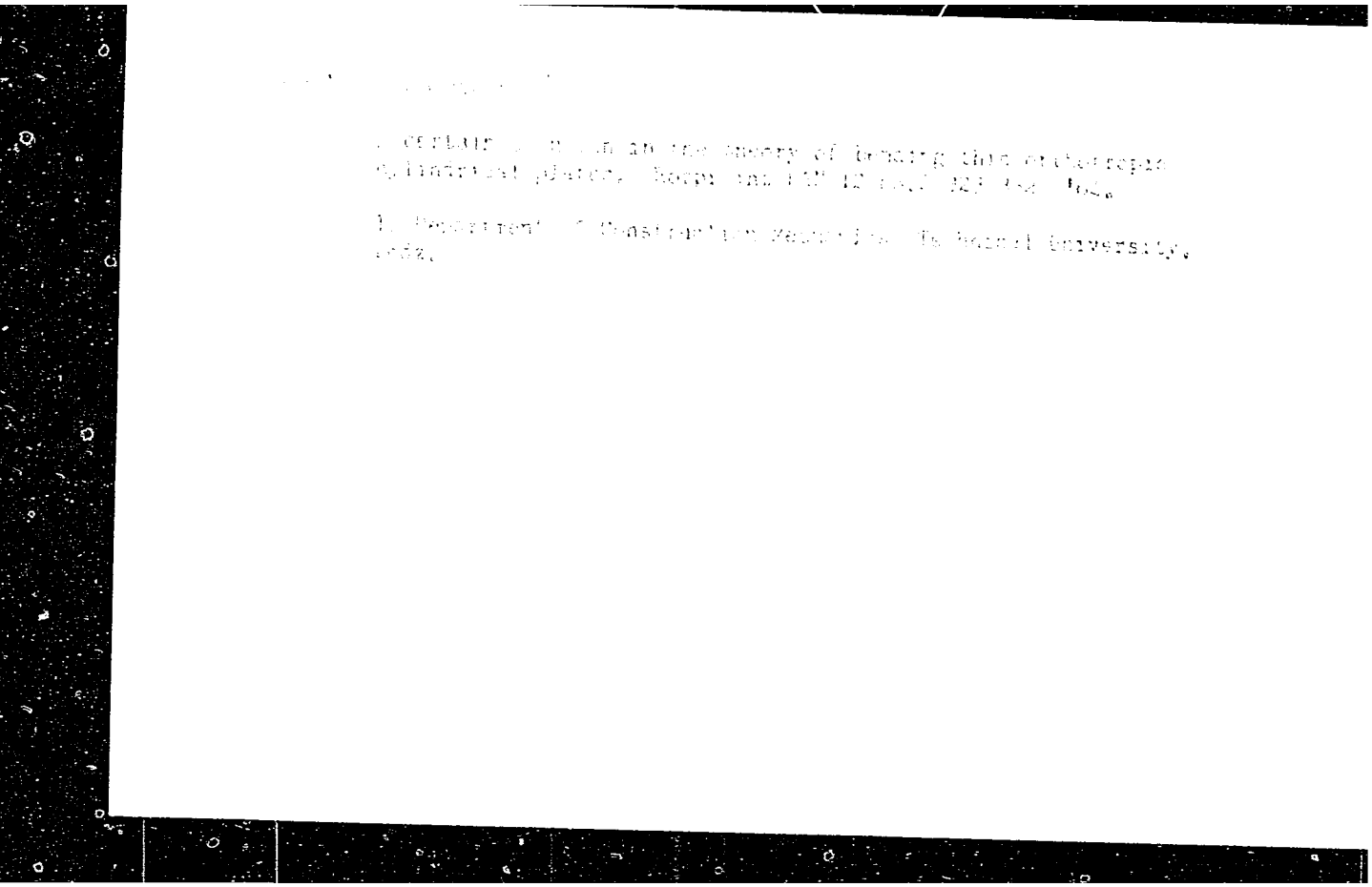

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BARANSKIY, A. P.: Master Chem Sci (diss) -- "Investigation of the sulfur in the coals of the Irkut basin". Irkutsk, 1959. 16 pp (Min Higher Educ USSR, Irkutsk State U im A. A. Zhdanov), 150 copies (KL, No 6, 1959, 125)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

AUTHORS: Larina, V. A., Baranskiy, A. D. SOV/156-58-2-39/48

TITLE: On the Origin of the Organic Sulfur of the Irkutsk Coals Rich in Sulfur (O proiskhozhdenii organicheskoy sery irkutskikh mnogosernistykh ugley)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1958, Nr 2, pp. 354 - 356 (USSR)

ABSTRACT: Most deposits of the Irkutsk coal basin (Irkutskiy uglenosnyy basseyn) are represented by coals poor in sulfur (scarcely more than 1% of sulfur). However, greater deposits with a sulfur content up to 10% and more are known as well (Ref 1). The table (without number) shows the average results of the determination of the sulfur of the important deposits of the said basin. The ratio between the organic and mineral sulfur is striking. It is known that pyrite sulfur dominates in the coals rich in sulfur (Ref 2), whereas the high sulfur content in the Irkutsk coals is due to organic sulfur only. It is assumed that the production of such great quantities of organic sulfur has taken place during the coal formation owing to secondary processes. At present the

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sulfates of sea water are considered to be the main source of sulfur in coal. The iron for the pyrite formation was supplied by the fresh water currents. The sulfate-reducing bacteria apparently exercised a considerable influence on the sulfur formation. The sulfur separated in this connection reacted with the iron sulfate and formed pyrite and elementary sulfur. Thus the quantity of the secondary organic sulfur rises with increasing pyrite quantity. The interaction between the secondary organic sulfur and the organic substance of the coal former may lead to the formation of stable organic compounds of the coal sulfur (Refs 2-4). This scheme can be considered as proved for the Donets coals (donetskiye ugli). However, it cannot be assumed in the case of the Irkutsk coals, since the Irkutsk basin belongs to the typical limnetic fresh water basins. The occurrence of considerable quantities of organic sulfur therefore remains still unexplained. The difference between the content of pyrite sulfur (up to 36%) and only 1% of organic sulfur was striking. We may assume that the source of the organic sulfur is in this

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On the Origin of the Organic Sulfur of the Irkutsk Coals Rich in Sulfur SOV/156-58-2-38/48

case outside of the accumulating vegetation remnants. In water from a depth of approximately 1600 m and more, quantities of 22 - 23 mg/l H_2S were found. This coal-sulfur from rocks which are older than the Jurassic carbonaceous layers is also the source of the organic sulfur in the coals of the Irkutsk basin. There are 1 table and 9 references, which are Soviet.

ASSOCIATION: Kafedra organicheskoy khimii Irkutskogo gosudarstvennogo universiteta (Chair of Organic Chemistry, Irkutsk State University)

SUBMITTED: October 10, 1957

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On the Origin of the Organic Sulfur of the Irkutsk Coals Rich in Sulfur

SOV/156-58-2-38/48

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

5(1), 5(3)

AUTHORS: Lorina, V. A., Borovskiy, A. D. SOV/153-59-3-22/30

TITLE: Investigation of the Sulfur in the Coals of the Irkutskiy Coal-Field (Issledovaniye sery ugley Irkutskogo basseyna)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Khimiya i khimicheskaya tekhnologiya, 1959, Nr 3, pp 144 - 148 (USSR)

ABSTRACT: As the coal-field mentioned in the title is at present the main supplier of raw material and power of the East Siberian Industry the investigation of the coal found there is very timely. It may be seen from table 1 that this coal has a low sulfur content. In a few big deposits of coal rich in sulfur the organically bound sulfur predomin tes. The dependence of the sintering capability of this coal on the content of organic sulfur was earlier pointed out (Refs 1-5). Until now considerable experimental material has been accumulated on the Irkutsk coal. Therefore the behavior of this sulfur in the thermal decomposition and in the action of chemical agents

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can be observed, and the proportion of the sulfur of low-sulfur coal can be compared to those of high-sulfur coal. Thus the forms of organically bound sulfur can be made clear, the genesis of the respective coal can be exactly determined and ways of its most rational use can be outlined. The main quantity of the sulfur in the Irkutsk coal remains back as a residue in the thermal processes in coke and semicoke. The pyrite and mineral sulfur are best decomposed, the organic one, however, in a much lower degree. The more organic sulfur there is contained the more intense its decomposition takes place. Table 2 shows the course of the sulfur decomposition with increasing temperature. As it shown, the decomposition processes of mineral and organic sulfur must not be considered separately (Refs 6,7). The decomposition products of the former interact with the organic mass of the coal and form new compounds. Hydrogen sulfide (up to 50% of the total amount of sulfur in the coal) is the main sulfur-

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containing component in the coal. Small amounts of sulfur pass into the liquid products (about 40%). The authors tried further to determine the organic group composition of the aromatic resins (Table 5). The sulfur compounds of the primary resins are qualitatively and quantitatively different in the individual coal sorts. Thioether sulfur was determined by iodo methylation (Ref 10)(Table 5). Its amount is relatively the higher the lower the content of organically bound sulfur is. The absolute content amounts to 0.3-0.5% (Delyurskoye deposits not included). The thioether compounds of the high-sulfur coal (except the Delyurskoye deposits) proved to be the most stable ones. The dependence of the sintering properties of the Irkutsk coal on the content of organic sulfur is explained by the structural particularities of the organic substance of high-sulfur coal. It may be assumed that the sulfur atoms "weld together" the individual

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Investigation of the Sulfur in the Coals of the Irkutskiy Coal-Field

SOV/[illegible]-3-33/34

structural units of the coal. Thus, this coal, which strictly speaking belonged to the [illegible] coals requires thermally treated properties of more mature coal (Refs 10,11). Table 6 shows the distribution of the volatile and non-volatile sulfur in the organic mass of the Irkutsk coals. The content of the latter increases from the Cheremkhovskoye deposit coal in the direction of the Novo-Metelkinskoye deposit. In the same direction the content of organic sulfur and the sintering capability of the basic coals increases. The origin of the organic sulfur and the rational use of the Irkutsk coal are discussed. There are 7 tables and 13 references, 12 of which are Soviet.

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Investigation of the Sulfur in the Coals of the Irkutskiy Coal-Field

SOV/[illegible]

ASSOCIATION: Irkutskiy universitet imeni A.A.Zhdanova (Irkutsk University imeni A.A.Zhdanov); Kafedra [illegible] khimii (Chair of Organic Chemistry)

SUBMITTED: October 16, 1957

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

SOV/65-58-11-9/15

AUTHORS: Larina, V. A; Baranskiy, A. D; Polyakova, V. N. and Gribets N. F.

TITLE: Characteristics of Behaviour of Sulphur of Irkutsk Coals During Their Separation in Heavy Liquids (Osobennosti povedeniya sery Irkutskikh ugley pri razdelenii ikh v tyazhelykh zhidkostyakh)

PERIODICAL: Khimiya i Tekhnologiya Topliv i Masel, 1958, Nr 11, pp 36 - 38 (USSR)

ABSTRACT: L. L. Ammosov (Ref. 3) developed a method for determining the properties of sulphur in sulphur-containing Irkutsk coals. The authors investigated coals from Vladimir. The sulphur content of these coals is compared with those from Zabituyskoye i Polyusnoye deposits; the latter contain a very large quantity of organic sulphur (Table 1). The authors also determined the content of various types of sulphur in semi-cokes and in hard residues (Table 2). Finely-pulverized samples of the coals were separated into fractions in a mixture of carbon tetrachloride and benzene. The separation was accelerated by centrifuging the samples. The molecular weights of the liquids for separating the coal Grade D were selected as follows: 1.40,

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Characteristics of Behaviour of Sulphur of Irkutsk Coals During Their Separation in Heavy Liquids

1.35, 1.30, 1.28, 1.26, 1.25, 1.24. In this way, for each type of coal a number of fractions with different quantitative yields were prepared. Percentage yields of these fractions are given in Table 4, and results of the separations in Fig.1. The area of each figure represents the total of the yields of all fractions. Reasons for the variations in the yields of the fractions are stated (when taking into account their equal degree of metamorphosis and identical petrographic structure). Further investigations concern fractions with anomalous content of mineral and organic sulphur. The different forms of sulphur and ash were determined in all fractions (Table 4). Results were given in the form of a graph (Fig.2). The fraction 1.40 - 1.35 and 1.24 of Vladimir' coal were of greatest interest because in these fractions the ratio of the mineral to the organic sulphur differed to a large degree from the ratio in the starting material. Results obtained during the semi-coking and coking of these fractions, and when analysing the sulphur content in the solid products, are given in Table 5. The organic sulphur is separated completely

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Characteristics of Behaviour of Sulphur of Irkutsk Coals During Their Separation in Heavy Liquids

When there is either a very small quantity or no mineral sulphur in the coal fractions 1.26 - 1.24 and 1.26). Separation of organic sulphur in the presence of large quantities of mineral sulphur is very difficult. Similar observations were made by E. S. Krym et al. (Ref.7) who treated coals from the Donets basin, and by L. P. Udler (Ref. 8) during the semi-coking of Kiselevskiye coals. The content of organic sulphur increases slightly in semi-coke. This can be explained by the sharp decrease in the mineral sulphur content and the formation of a considerable quantity of decomposition products of mineral sulphur compounds. This could not be observed during the semi-coking of the 1.26 fraction of Delyurskiy coal because these contain a much smaller quantity of mineral sulphur. It was also found that the organic sul-

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Characteristics of Behaviour of Sulphur of Irkutsk Coals During Their Separation in Heavy Liquids. SOV/65-58-11-9/15

phur in this type of coal is less thermostable. There are 3 Figures, 5 Tables and 8 Soviet References.

ASSOCIATION: Irkutskiy gosudarstvennyy universitet (Irkutsk State University)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000103520013-6

BARANSKIY, A.D.

Origin of organic sulfur in Irkutsk high-sulfur coals. Izv. Fiz.-khim. nauch.-issl. inst. Irk. un. 4 no.2:223-228 '59. (MIRA 16:8)

(Irkutsk Basin--Coal--Analysis)
(Sulfur--Analysis)

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